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IN THE CLAIMS:

Please amend the claims as follows:

- (CURRENTLY AMENDED) An aircraft fuel system comprising:

 a main fuel pump for pumping fuel to a fuel metering device; and

 a fuel dc-acrator for removing dissolved gases from the fuel before entering said main fuel pump, wherein said fuel dc-acrator comprises a membrane filter permeable to gases dissolved within said fuel.
- 2. (ORIGINAL) The system of claim 1, wherein removal of said dissolved gases within said fuel reduces a net positive suction pressure required at an inlet of said main fuel pump.
- 3. (ORIGINAL) The system of claim 1, comprising a boost pump for supplying the main fuel pump with fuel at a desired pressure.
- 4. (ORIGINAL) The system of claim 3, wherein said boost pump supplies a net positive suction pressure at an inlet of said main fuel pump.
- 5. (ORIGINAL) The system of claim 3, wherein said fuel de-aerator is disposed between said boost pump and said main fuel pump.
- 6. (CANCELLED)
- 7. (CURRENTLY AMENDED) The system of elaim 6 claim 1, wherein said membrane filter is supported on a porous substrate.
- 8. (ORIGINAL) The system of claim 7, comprising a partial pressure differential between a fuel side of said membrane filter and a non-fuel side of said membrane filter, wherein gases diffuse from fuel through said membrane filter to said non-fuel side.
- 9. (ORIGINAL) The system of claim 8, wherein said diffused gases on said non-fuel side are vented overboard.

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- 10. (ORIGINAL) The system of claim 7, further comprising a fuel plate defining fuel passages within a housing between an inlet and an outlet
- 11. (CURRENTLY AMENDED) The system of claim-1An aircraft fuel system comprising:

 a main fuel pump for pumping fuel to a fuel metering device; and

 a fuel de-aerator for removing dissolved gases from the fuel before entering said main fuel

 pump, wherein said fuel de-aerator comprises a tubular membrane.
- 12. (ORIGINAL) The system of claim 1, wherein a rate of fuel flow capacity of said system is related to said net positive suction pressure.
- 13. (ORIGINAL) The system of claim 12, wherein said rate of fuel flow capacity increases responsive to removal of gases from said fuel.
- 14. (CURRENTLY AMENDED) A gas turbine engine assembly comprising:
 - a compressor to compress intake air;
 - a combustor to combust fuel with compressed intake air;
- a turbine section comprising a rotating turbine in flow communication with said combustor; and
- a fuel delivery system comprising a main fuel pump for pumping fuel to a fuel metering device, and a fuel de-aerator for removing dissolved gases from the fuel before entering said main fuel pump, wherein said fuel de-aerator comprises a membrane filter permeable to gases dissolved within said fuel.
- 15. (ORIGINAL) The assembly of claim 14, comprising a boost pump for supplying the main fuel pump with fuel at a said not positive suction pressure.
- 16. (ORIGINAL) The assembly of claim 15, wherein said fuel de-aerator is disposed between said boost pump and said main fuel pump.
- 17. (CANCELLED)

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18. (CURRENTLY AMENDED) The assembly of elaim 14, comprising a partial pressure differential between a fuel side of said membrane filter and a non-fuel side of said membrane filter, wherein gases diffuse from said fuel side through said membrane filter to said non-fuel side.

19-22. (CANCELLED)